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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 11/03/2010

Bruce L Adams Adams & Wilks Suite 1231 17 Battery Place New York, NY 10004

EXAMINER WALTERS, RYAN J

ARTHNIT

PAPER NUMBER 3726 DATE MAILED: 11/03/2010

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO 10/589.388 08/15/2006 Junii Terava 0003-5853 (PCT) 7119

TITLE OF INVENTION: WORKING FLUID INJECTION APPARATUS FOR A FLUID DYNAMIC PRESSURE BEARING

APPLN, TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1510 \$300 \$1810 02/03/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further e indicated unless correcte maintenance fee notificat	form should be used for correspondence includir d below or directed oth	or transmitting the lang the Patent, advanced and the Patent, advanced in Block 1, b	SSUE FEE and PUBLICA e orders and notification of by (a) specifying a new con	TION FEE (if requ f maintenance fees v respondence address:	ired). I vill be , and/or	Blocks 1 through 5 st mailed to the current (b) indicating a sepa	hould be completed where correspondence address as trate "FEE ADDRESS" for	
CURRENT CORRESPONDE	ess) N	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying payers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.						
Bruce L Adams Adams & Wilks Suite 1231		V2010		There is own ceturicate of Mailing or Transmission I hereby certify that this Feets Transmits is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (517) 273-2888, on the date indicated between				
17 Battery Place New York, NY 1	0004						(Depositor's name)	
rew rork, ivi	0004						(Signature)	
			L				(Date)	
APPLICATION NO.	APPLICATION NO. FILING DATE		FIRST NAMED INVENT		ATTORNEY DOCKET NO.		CONFIRMATION NO.	
10/589,388	08/15/2006	Junji Teraya		0003-5853 (PCT)			7119	
			IUS FOR A FLUID DYNA					
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DU		E FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1510	\$300	\$0		\$1810	02/03/2011	
EXAM	NER	ART UNIT	CLASS-SUBCLASS	7				
WALTERS	, RYAN J	3726	029-898100	_				
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTOSB/122) attached. The Address Form PTOSB/122) attached. FIG. 818-71 (STR) (or agents OR, altern (2) the name of a sir registered attorney of 2 registered patent a listed, no name will	(1) the names of up to 3 registered patent attorneys 1 or agents OR, alternatively, (2) the name of a single firm thaving as a member a registered tracery or agent) and the names of up to 2 registered patent autorneys or agents. If no name is 1 steed, no name will be printed.				
(A) NAME OF ASSIC	ENEE		nee data will appear on the NOT a substitute for filing: (B) RESIDENCE: (CI	TY and STATE OR C	OUNT	RY)	ocument has been filed for	
4a. The following fee(s) a Issue Fee Publication Fee (N Advance Order - #	o small entity discount p	permitted)	4b. Payment of Fee(s): (P A check is enclose.) Payment by credit The Director is here	lease first reapply and L card. Form PTO-2038	ny prev	lously paid issue fee	shown above)	
	SMALL ENTITY state	as. See 37 CFR 1.27.	b. Applicant is no I					
interest as shown by the r	ecords of the United Sta	tes Patent and Trader	epted from anyone other tha nark Office.	appreciate, a regi			garee or oures party in	
Authorized Signature			Date					
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10/589,388	08/15/2006	Junji Teraya	0003-5853 (PCT)	7119	
75	90 11/03/2010		EXAMINER		
Bruce L Adams		WALTERS, RYAN J			
Adams & Wilks			ART UNIT	PAPER NUMBER	
Suite 1231 17 Battery Place New York, NY 10	004		3726 DATE MAILED: 11/03/2010		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 870 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 870 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/589 388 TERAYA ET AL. Notice of Allowability Examiner Art Unit RYAN I WALTERS 3726 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. This communication is responsive to an amendment filed 8/13/2010. The allowed claim(s) is/are 1,2 and 13-30. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) 🔯 All b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. X Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. T Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material

/RYAN J. WALTERS/ Examiner, Art Unit 3726 9. ☐ Other .

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DETAILED ACTION

Allowable Subject Matter

- 1. Claims 1-2 and 13-30 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:

The prior art of record does not disclose nor render obvious the claimed invention of a working fluid injection apparatus for injecting a working fluid into a gap between a housing and a shaft of a bearing unit of a fluid dynamic pressure bearing, the working fluid injection apparatus comprising:

an adapter configured to support the bearing unit in a state in which an end portion of the bearing unit shaft protrudes from an open portion of the bearing unit housing; and a cover member having an upper opening, a lower opening, and a tapered inner surface with a radial dimension that increases gradually from the lower opening to the upper opening, the cover member being configured to be mounted in contact with an upper surface of the bearing unit housing when the bearing unit is supported by the adapter so that the lower opening of the cover member surrounds the open portion of the bearing unit housing and so that the protruding end portion of the bearing unit shaft and the tapered inner surface of the cover member form a reservoir portion that communicates with the open portion of the bearing unit housing and that is configured to store a working fluid. The closest prior art of record, Hayashi (PGPub 2004/0107577), discloses a working fluid injection with an adapter but does not disclose a cover member having the above recited limitations.

Art Unit: 3726

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RYAN J. WALTERS whose telephone number is (571)270-5429. The examiner can normally be reached on Monday-Friday, 9am-5pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bryant can be reached on 571-272-4526. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/RYAN J. WALTERS/ Examiner, Art Unit 3726

/DAVID P. BRYANT/ Supervisory Patent Examiner, Art Unit 3726